Grade:

Course: Diesel: Engine			Teacher: School:			
Course Code # 5718		Term:	FallSpring	Number of Competencies in Co	ourse: 41	
2 Credits				Number of Competencies Mast		
				Percent of Competencies Maste		
				Tereon of Competencies Music		
STANI	DARD 1.0: Students will demonstrate leaders	ship, citizenship	, and teamwork skills	s required for success in the school, commu	nity, and workpla	ace.
Learning	g Expectations		Check the ap	propriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Demonstrate positive leadership skills in the classroon	n and community.				
1.2	Participate in SkillsUSA-VICA as an integral part of c					
1.3	Investigate how technology has made an impact on die	esel engine perform	nance in the past 2 years.			
1.4	Construct a job search network.					
	DARD 2.0: Students will demonstrate diesel to		ty practices, includin	g Occupational Safety and Health Administr	ation (OSHA) and	l Environmental
	ion Agency (EPA) requirements for a diesel rep	oair facility.			1	1
Learning	g Expectations		Check the ap	propriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Determine the safe and correct application and disposa	al for chemicals use	ed in a diesel engine repai	r facility.		
2.2	Use protective clothing, eye and ear protection, and sa	fety equipment.				
2.3	Use fire protection equipment.					
2.4	Follow OSHA and EPA regulations affecting engine p					
2.5						
2.6						
2.7	Pass with 100% accuracy a performance examination relating to safety.					
2.8	2.8 Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor.					
	DARD 3.0: Students will properly perform ger	neral engine dia				
Learning	g Expectations		Check the ap	propriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Analyze the function and operation of diesel engines.					
3.2	Diagnose diesel engines.					
	DARD 4.0: Students will properly diagnose ar	nd repair cylinde				
Learning	g Expectations		Check the ap	propriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Analyze the function and operation of diesel engine cyl		lve trains.			
4.2	Diagnose and repair diesel engine cylinder heads and v	alve trains				
STANI	DARD 5.0: Students will properly diagnose ar	nd repair the die	esel engine block.			
Learning	g Expectations		Check the ap	propriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Analyze the function and operation of the engine block					
5.2	Diagnose and repair the engine block.					
STANI	DARD 6.0: Students will properly diagnose ar	nd repair lubrica	ation systems.			
Learning	g Expectations		Check the ap	propriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Analyze the function and operation of diesel engine lu					
6.2	Diagnose and repair diesel engine lubrication systems.					

School Year \_\_\_\_\_

Student:

Trade and Industrial Education

STANDARD 7.0: Students will properly diagnose and repair cooling systems.

Learning	g Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	7.1 Analyze the function and operation of a diesel engine cooling system.			
7.2	Diagnose, service, and repair a diesel engine cooling system.			

### STANDARD 8.0: Students will properly diagnose and repair air induction and exhaust systems.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	8.1 Analyze the function and operation of diesel air induction and exhaust systems.			
8.2	Diagnose, service, and repair diesel air induction and exhaust systems.			

### STANDARD 9.0: Students will properly diagnose and repair fuel systems.

Learning	Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
9.1	Analyze the function and operation of diesel engine fuel systems.			
9.2	Diagnose and repair diesel engine fuel supply systems.			
9.3	3 Analyze the function and operation of mechanical fuel injection systems.			
9.4	Diagnose and repair mechanical fuel injection systems.			
9.5	Analyze the function and operation of electronic fuel management systems.			
9.6	Diagnose and repair electronic fuel management systems.			

## STANDARD 10.0: Students will properly diagnose and repair engine brakes.

Learni	ng Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
10.1	Analyze the function and operation of diesel engine brakes.			
10.2	Diagnose and repair engine brakes.			

## STANDARD 11.0: Students will demonstrate communication skills required in the diesel service industry.

Learning	g Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
11.1	Communicate and comprehend oral and written information typically occurring in diesel engine repair service.			
11.2	Solve diesel engine service problems and make decisions using a logical process.			
11.3	Use teamwork skills to accomplish goals, solve problems, and manage conflict within groups.			

# STANDARD 12.0: Students will demonstrate interpersonal and employability skills required in the diesel service industry.

Learning	g Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
12.1	Evaluate career goals and establish long-term goals.			
12.2	Demonstrate attitudes conducive to workplace success			
12.3	Maintain a neat and orderly work area.			
12.4	Assess implications of diversity for communities, workplaces, and manufacturers.			
12.5	Develop personal financial skills			
12.6	Develop individual time management and work sequencing skills	relating to diesel engine repair procedures.		